

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [16699] "spots" on qrp-1
Message-ID: <33472274.3975@concentric.net>

Hi all,

Lets not forget to post the zulu time when talking about someone being on the air "right now" so the rest of us will know when and where.
;-)

Jess N0TFI

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [16696] *Correction* New Mailing Lists
Message-ID: <3.0.1.32.19970406033722.006cb668@mailhost.primenet.com>

Sorry Folks!

Minor change to administrative request addresses (see below).

Ham-Books is a mailing list (reflector) devoted to the literature and periodicals of amateur radio:

- * publishers
- * magazines
- * newsletters
- * books
- * old and "collector" books
- * new book announcements

To be added to the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: subscribe ham-books

To be deleted from the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: unsubscribe ham-books

To post items to the reflector, send email as follows:

TO: ham-books@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Ham-Software is a mailing list (reflector) devoted to software of all types used for amateur radio:

- * logging
- * propagation prediction
- * digital modes
- * award tracking
- * commercial, shareware, freeware
- * electronic design and simulation
- * amateur software development

To be added to the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: subscribe ham-software

To be deleted from the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: unsubscribe ham-software

To post items to the reflector, send email as follows:

TO: ham-software@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Mobile-Portable is a mailing list (reflector) devoted to mobile and portable operation of amateur radio (QRP and QRO, HF and VHF+):

- * rigs, antennas, tuners
- * installation
- * batteries
- * generators
- * solar and alternative energy
- * camping/RVs/backpacking
- * laptop/palmtop computers
- * portable packet
- * roving and mountain-topping
- * GPS, APRS

To be added to the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: subscribe mobile-portable

To be deleted from the mailing list, send email as follows:

TO: list-request@qsl.net
SUBJECT:
BODY: unsubscribe mobile-portable

To post items to the reflector, send email as follows:

TO: mobile-portable@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 k7on@qsl.net

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [16701] *Correction^2* New Mailing Lists
Message-ID: <3.0.1.32.19970406042501.00700d44@mailhost.primenet.com>

For simplicity, please address 'requests' to 'majordomo'
rather than the 'list-request' alias previously mentioned.

Serious appologies to all for bandwidth in this regard.

-Brian

Ham-Books is a mailing list (reflector) devoted to the literature
and periodicals of amateur radio:

- * publishers
- * magazines
- * newsletters
- * books
- * old and "collector" books
- * new book announcements

To be added to the mailing list, send email as follows:

TO: majordomo@qsl.net
SUBJECT:

BODY: subscribe ham-books

To be deleted from the mailing list, send email as follows:

TO: mojordomo@qsl.net

SUBJECT:

BODY: unsubscribe ham-books

To post items to the reflector, send email as follows:

TO: ham-books@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Ham-Software is a mailing list (reflector) devoted to software of all types used for amateur radio:

- * logging
- * propagation prediction
- * digital modes
- * award tracking
- * commercial, shareware, freeware
- * electronic design and simulation
- * amateur software development

To be added to the mailing list, send email as follows:

TO: majordomo@qsl.net

SUBJECT:

BODY: subscribe ham-software

To be deleted from the mailing list, send email as follows:

TO: majordomo@qsl.net

SUBJECT:

BODY: unsubscribe ham-software

To post items to the reflector, send email as follows:

TO: ham-software@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

Mobile-Portable is a mailing list (reflector) devoted to mobile and portable operation of amateur radio (QRP and QRO, HF and VHF+):

- * rigs, antennas, tuners
- * installation
- * batteries

- * generators
- * solar and alternative energy
- * camping/RVs/backpacking
- * laptop/palmtop computers
- * portable packet
- * roving and mountain-topping
- * GPS, APRS

To be added to the mailing list, send email as follows:

TO: majordomo@qsl.net
SUBJECT:
BODY: subscribe mobile-portable

To be deleted from the mailing list, send email as follows:

TO: majordomo@qsl.net
SUBJECT:
BODY: unsubscribe mobile-portable

To post items to the reflector, send email as follows:

TO: mobile-portable@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [16723] 14AVQ Rejuvenation
Message-ID: <v02130500af6d790bef21@[192.31.66.229]>

Bob - Yes there is a 14AVQ antenna. It is a trap vertical for 40, 20, 15, and 10 M. No WARC bands are included as they were not even imagined when the antenna was designed in the early 60s. They were made by HyGain (now Telex?) in Lincoln Nebraska who might still have parts and or manuals available. They advertise in QST. I used three of them phased in a triangular array 30 years ago as a novice, WA0MWN, in South Dakota. My Dad, WA0OML, still uses one of them which I recollect has been up since 1966 or so. It still works fine despite missing one or more of the spokes in the top hat. One of the other two 14AVQs was pulled down by vandals about 10 years ago or so. The other one had one of the plastic insulators in the 40 M trap crack about 20 years ago after an ice storm. I think they hold up excellent particularly given that climate. The two remaining antennas were given to a local ham who made one good antenna out of them. I think he is still using it.

They are good performers as ground mounted verticals go, with 16 quarter wave radials on 40 M. My Dad has replaced the two antennas which failed with a Butternut which appears to perform slightly worse than the 14AVQ, and an R-5 which appears to perform slightly better. This is based on some comparative measurements I made on 20 M with the DX beacon network.

If you don't have a manual you may wish to look for an article by Jerry Seveck (sp?) in QST in the early 70s which described some modifications to the 14AVQ which slightly improved efficiency and raised feedpoint impedance on 40 M. A set of dimensions are also given there.

You may wish to inspect the traps for damage and replace cracked insulators. In particular the top insulators should be good with no cracks or else water will get into them and change the operating point during rainy spells. Cracks in these insulators can be fixed with RTV, Bathtub Caulk, or Gasket compound. If you can disassemble the traps you may wish to do so to remove any insect nests that can accumulate over the years, particularly in storage. A good scrubbing with soap and water followed by a mild bake out in a 150 F or lower oven will help as well.

Also check for DC continuity across the feedpoint. HyGain put an RF choke here to provide lightning protection. If it is open you may wish to replace the choke or substitute a 2 W 20 KOhm to 50 KOhm resistor. You can leave it open, but you should be aware that the antenna is not at DC ground.

As I said, Hy Gain may still have the manual available. You may wish to peruse old QSTs for 14AVQ ads to see how it is supposed to look.

Setting it up without the manual should not be hard though. You can start with the lower portion, no traps, and adjust it for resonance at 10 M. It will be slightly less than 8 feet or so long. Add the 10 M trap and recheck the resonance. Adjust the tubing length below the trap as necessary. Add more tubing above the 10 M trap for 15 M resonance. Add the 15 M trap and check for resonance. Adjust only the tubing between the 10 M and 15 M trap. Add tubing above the 15 M trap and adjust for 20 M resonance. Add the 20 M trap. Adjust the tubing between the 15M and 20M trap if necessary for 20 M resonance. Add the tubing above the 20 M trap for 40 M resonance. There was a three element tophat about a foot in diameter on top originally. If you have this you can use it, if not just add extra lengths of tubing. If you don't want 40 M operation, but want 30 M, adjust the top tubing for 30 M resonance rather than 40 M.

I should emphasize here that when tuning multiband antennas better is the enemy of good enough. If you go back to a previously adjusted band to get slightly better performance you will invariably make another band worse. Changing that band will make another band worse, and you will rapidly have a nonconverging problem. If you follow the above procedure and are unhappy with the results, start all over again. You may wish to change the point or

points where you put the resonances in each band to put it where you like it in one particular band. You may have to go through the above exercise twice or so before you are satisfied.

As I recall HyGain provided two sets of lengths, one for CW and one for Phone. Also as I recall the corresponding lengths were not always intuitively consistent with which portion of the band was chosen. I think that some of the phone lengths were longer than the CW lengths.

As with all endeavors, upon getting frustrated, stop, go into the house, go to the refrigerator, get the cold beverage of your choice, relax, and tell anyone who asks that things are going fine. After the beverage is half completed start thinking about your problem and formulate a rational approach to solving it. Asking for help from an experienced antenna pruner is always an alternate.

When putting the tubing together you should probably clean the aluminum with Steel Wool or Scotch Brite and use a conductive grease available from an electrical supply house.

If you are missing any of the tubing you can replace it with standard sizes. These can be obtained from a metals dealer or ordered from Texas Towers. If you are missing some traps you can omit them, you just won't have coverage of that band. Replace the missing trap with a slightly longer piece of tubing.

HyGain used a clamp mechanism that put a dent in the two tubes. This dent usually has to be drilled out to uncouple sections. Sometimes people just cut it off, resulting in substantial tubing loss. The clamps may still be obtained from HyGain, I don't know. If not, slitting the ends of the tubing and using hose clamps (Jubilee clamps for you G's) will work fine. Look at the handbook for ideas.

At any rate you don't need the whole antenna to have something useful. The base with the feedpoint, and mounting bracket are quite useful for any vertical antenna project. The HyGain traps were very good with relatively low loss. Often one sees parts of antennas; particularly traps and feedpoint brackets at HamFests which can form the basis of a good inexpensive antenna.

I suggest mounting the antenna up high, on the roof if possible. If mounted 5 feet or higher above ground 2 radials per band should be sufficient. I would add a 1:1 current choke at the feedpoint to minimize feedline radiation. 12 turns of coax thorough a ferrite core should work, as will a simple coil of feedline. The hand book lists several designs for air core choke baluns that were designed by W7EL I think that should also work.

Good Luck. Let us know how it turns out. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [16736] 38S Consolidated Manual Correction
Message-ID: <334a0eeb.134910389@smtp.usit.net>

In the Variable Power out Mod (Resistor section) all references to R102 should be R103. R102 (the 220ohm resistor) is in fact installed in the 5-watt mod above that. The files on my page have been updated, and I'll repost to anyone who requests the full txt version.

The original mod post was somewhat confusing, as it had R103 removed, but R102 used for the circuitry. Should have been R103 holes used for the circuitry.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
<http://www.public.usit.net/mdwatt>
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennc@alaska.net>  
Subject: [16712] AA1MI via EME?????  
Message-ID: <33476EC8.2621@alaska.net>

Hi Paul, I have WAS on 2 meters via moon bounce, and you were about like working an EME station off the moon. But, we made it! And all info was complete. Who knows, maybe we were bouncing off the moon. Regular propagation wasn't working all that well. :-)

73,  
Jim



AL7FS

PGSPersEng@aol.com wrote:

>  
> I just worked Jim, AL7FS, on 14.062 (QSO ended at 2018Z). It was \*very\* tough  
> and took him more than 10 minutes to get my basic info. I apologize to all  
> who were waiting patiently in line to work him.  
>  
> MANY thanks, Jim, for hanging in there to dig out my signals from NH.  
> 72,  
> Paul, AA1MI

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)  
Subject: [16733] AL7FS  
Message-ID: <9704061959.AA25615@krypton.nmr.Hawaii.Edu>

I listened for him around 14.060 and other's in the same area for about four hours. Towards the beginning I was checking Email and saw the "I am on now" message, rushed into the living room where the monitor receiver was cranking out a STONG signal right on spot, hung my toe in a power cable and abruptly "terminated contact". When I got things sorted out the signal was gone. I heard weak stations from 14.058 up into the RTTY field which here starts at 14.060. Much of the time there was RTTY on 14.062 and 14.064. A number of CW signals were heard down around 14.058, but no Alaska callsigns. I could monitor, but not work W6's, UA's, J's and even a nice signal with a Maldive's callsign. I called CQ on some blank frequencies down around 14.058 many times with no answers.

Strange thing is that after local dark, when you would expect a lousy band to close, it opened like crazy! The Russians were pounding in along with South Korea and more Japanese stations than you could shake a stick at. They were working mostly people in 6 and 7 land which were also strong.

It is 20:00 Zulu (we do HST all year long so we have to recompute the difference to all the other time zones twice a year, HST is always Zulu minus 10 hours), I am going to have another go for a few hours with my current "best" antenna.

AH7R  
grid BL11CH

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <kl7y@alaska.net>  
Subject: [16709] AL7FS ends struggle  
Message-ID: <199704060649.VAA05964@calvino.alaska.net>

AL7FS has ended his QRP struggle for today at 0630Z. Despite the worst condx yet, he managed 41 Qs and 18 states on 20 plus 18 Qs and 7 states on 40 meters. Jim learns about that nasty old aurora and what it does to signals up here. One of these days he'll hit good condx....

Dan KL7Y

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <kl7y@alaska.net>  
Subject: [16703] AL7FS on 40  
Message-ID: <199704060459.TAA03171@calvino.alaska.net>

Well, Jim finally worked a couple of West Coast guys on 40 - maybe the band is starting to open. He's now at 7040.0.

Dan KL7Y

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <kl7y@alaska.net>  
Subject: [16689] AL7FS on 40m  
Message-ID: <199704060236.RAA18600@calvino.alaska.net>

Jim, AL7FS, is now pounding out CQs on 7041.0. 1.5 hours without a QSO, but he is patient.

Dan KL7Y

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <kl7y@alaska.net>  
Subject: [16682] AL7FS QSY 40m  
Message-ID: <199704060101.QAA16725@calvino.alaska.net>

Jim said he got tired of hearing galactic noise on 20 m so he has QSYed to

7043.3 to listen to the noise down there. Still 4 hours B4 sunset, but CQing doesn't take much effort.

Dan KL7Y

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <kl7y@alaska.net>  
Subject: [16692] AL7FS to go eat 0300z to 0400z  
Message-ID: <199704060252.RAA23692@calvino.alaska.net>

No signals from here yet. We are going go eat. Back on about 0400z With my luck today, the band will open from 0300-0400z.

73,  
Jim  
AL7FS

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [16676] Alaska on 40M?  
Message-ID: <9704060000.AA09940@tlcnet.muohio.edu>

Gi gang,

Does anyone know if the Alaskan station is planning to be on forty meters this evening? (Sat. night)

de vic ad8k . .

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [16698] Antenna List  
Message-ID: <9704060344.AA08643@tlcnet.muohio.edu>

One of the essentials, and I mean essential, elements of an effective qrp station is the best antennas one can erect. Antenna experimenting has been a life long passion of mine. Does anyone know of a webbsite, list, reflector and any place to find information, discussions or whatever that I can access

via the computer. This also include bulletin boards. Remember them. They are still around. Anyway, I bet there is more than a few othe qrpers would like to have this information. Please post publicly if you have any clues on the subject.

Thanks,

de vic ad8k . . How do you send and apersign (sp?) cw? How about a double dot. or the letter I. We will know what it is by where its at. What?

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Steve/NOTU <NOTU@webaccess.net>  
Subject: [16724] Any QRP/Joggers in San Jose Area?  
Message-ID: <3347DAB8.5C@webaccess.net>

Sorry if this isn't QRP related but seems these interests often times are aligned. Anyone know of some good places (preferibly on trails) in the San Jose area for jogging (3-5 miles worth)! Tks Steve

-----  
"Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Bob Roach <KE4QOK@worldnet.att.net>  
Subject: [16711] Big Ears  
Message-ID: <19970406081821.AAA2442@LOCALNAME>

OK Guys,

Now that I got your attention what I would like to know is: What is the best (in your opinion) all around all band receiving antenna and why. I am trying to decide what to do and can't make up my mind. I don't have a tower so I am looking for input on wire antennas.

Please reply to me directly and I will put out a summary in a week or so to let everyone know what I got without taking up a lot of bandwidth.

(o o)

-----o00\_( )\_00o-----

73 es TNX

KE4QOK Real radios glow in the dark.

Bob                    Power is no substitute for skill.  
                      If it stayed up last winter, it was too small.  
136 Hermitage Rd.  
Newport News, Va. 23606 KE4QOK@worldnet.att.net  
(757)930-0348

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Watson R Gabriel Jr" <wgabriel@dpcmail.dukepower.com>  
Subject: [16734] Cases for St. Louis Tuner  
Message-ID: <9703068603.AA860366047@inccmrtr.dukepower.com>

Hope this posts OK as it is my first!

Does anyone know of the availability of any of the NorCal-style cases that were built for the St. Louis Tuner kits that were offered some time ago? Thought I would check on this before looking elsewhere or trying to build one up. Thanks es 72/73.

Watson Gabriel/WB4EXW

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Stan Skelton <sskelton@cIn.etc.bc.ca>  
Subject: [16690] Dan's new radio  
Message-ID: <Pine.SUN.3.95.970405183531.13125A-100000@cIn>

OK, now that everybody has finally had their say about Dan (hopefully) let's help answer the initial question.

Step 1.) Somebody with netscape access look up Dan's home page and get the call sign of the designer of the Centennial 80 meter SSB rig.

Step 2.) report same to list.

Step 3.) somebody with a callsign data base look up the person's name and city.

Step 4.) report same to list.

Step 5.) someone in that city look him/her up in the phone book and phone him/her. Ask relevant questions about rig (size, current draw, etc. etc) and

report same to list. (who knows, maybe you live  
right next door and can stroll over and get a  
schematic and post it on someones board?)

Make sense?

73's Stan VE7SKT qrp-1 #34), OHR Sprint 80, 38 Spc

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: k4wz@juno.com (RON L TODD)  
Subject: [16694] DX  
Message-ID: <19970405.220741.4599.2.k4wz@juno.com>

BANDS WORKING GREAT TONIGHT

UA0ABK  
RA9UR  
RW9UW  
VK6ACY

10 WATTS SSB OR 5 WATTS CW

RON TODD K4WZ ex AE4LQ, KE4RZR, WA4EPC  
K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET  
FISTS #2109, ARCI # 9273, QRP-L # 924 ARRL LIFE MEMBER  
FT-1000D, QRP+, HOMEBREW TEN-TEC 40 M, PIXIE2.  
ANT. C4XL UP 100 FT. 80 M LOOP UP 45 FEET

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: n4so@juno.com (charles k brown)  
Subject: [16697] DX - Kuwait  
Message-ID: <19970405.213158.4431.9.n4so@juno.com>

10.102 at approx. 0200z 9k2mu  
Noticed this station on briefly.

Ken Brown, N4SO  
QTH nr Mobile, AL  
qrp-1 #622  
n4so@juno.com  
QRV on 30 meters and looking for 38 Special contacts

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Mike Duke <gmduke@oscar.teclink.net>  
Subject: [16706] END FEEDING A HALF WAVE  
Message-ID: <Pine.GS0.3.95.970405234819.22581E-100000@oscar.teclink.net>

I'm trying to find information on a product that was designed for end feeding a half wave on a given band. I believe that it was a fixed value coil and capacitor enclosed in a pvc sleeve. They were not sold specifically for qrp. I encountered a few of them on the air 7 or 8 years ago. Any ideas on present availability?

73, de K5XU

Mike Duke,  
Jackson, MS

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: [16687] Even newer GB subscribe info  
Message-ID: <2.2.32.19970406033111.00cb4f04@infoave.net>

My error again!  
If anyone still wants to subscribe to the new GB list, send

subscribe glowbugs your\_email\_address

to majordomo@www.atl.org

Gee, it's been a long week. Sorry about the confusion.  
Conard

Conard Murray WS4S Glowbugs listowner ws4s@infoave.net  
217 Dyer Avenue Cookeville, TN 38501 615-526-4093  
Member Arizona ScQRPions QRP-L #993 Friend to anything TCS or GRC-19  
<>< Wise men still seek Him ><>  
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: N3BJ@aol.com  
Subject: [16728] FS: A&A Engineering xcvrs (cheap)  
Message-ID: <970406141801\_383984240@emout09.mail.aol.com>

For sale: 20M qrp xcvr, built, needs IC's (commonly available), good condition.

30M qrp xcvr, unbuilt, in the box.

These are the K9AY rigs, cost \$159.95 EA a few years ago...

Sacrifice, cleaning house - both for \$135 shipped

Alan, N3BJ

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
Subject: [16679] FS: Skillman bug  
Message-ID: <199704060024.TAA03591@aus-b.mp.campus.mci.net>

I thought I would post this for the qrp group before I released it out on Usenet. I have a Skillman bug for sale. The clear cover has several cracks in it (no holes). The mechanism and black (bakelite, i think) base is in fine condition, and it operates very well. I'll offer it here for \$65 (money order), and I'll ship it.

\*\* re: Dan's Small Parts

I recently placed a substantial order with Dan's, and was quite pleased with the service. Note that Dan's no longer accepts COD orders. I am very satisfied, and will continue to order from him.  
...rich

-----  
Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>  
The KA8OKH Web - [www.qsl.net/ka8okh](http://www.qsl.net/ka8okh)  
qrp-l #933 ars #223 amsat #11900  
-----



From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: k7sz@juno.com (Rich H Arland)  
Subject: [16680] Help with portable HF antenna design  
Message-ID: <19970406.004609.14695.15.K7SZ@juno.com>

Gang:

I have finally procured a pop-up camper....it has been a long time in coming, but now that I have it, I am looking for ideas regarding the installation of a HF antenna when in a camping area.

First thoughts ran toward a portable mast affair (GRA-4 masts are 40 ft aluminum military radio masts that collapse into a very small package....have one on hand) that could be placed beside the camper, secured to the roof rack and held down on the ground end by a steel plate that the camper tire would rest upon. This sounded good but I began wondering what will happen if some winds come up and start moving the mast/antenna around.....will the camper top and sides sway too much?

My next idea was an HF vertical....something like the Cushcraft R-whatever that uses its own small radial system. I had one of these several years ago but sold it cuz it was kicking around in my shed and I never seriously thought of putting it up with the TH7 and the wires already in the air.

Several compact 20 meter beams and one vertical have appeared in Comm Q'tly over the last several years. Again, these would take some sort of support structure that attached to the camper in some way.

Has anyone out there in QRP land gone thru this process? If so, what did you come up with for a solution(s)?

73 rich K7SZ

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: tedk4mkx@nmaa.org (Edward Beach)  
Subject: [16720] ICOM 706 at QRP  
Message-ID: <3347CB25.11D5@nmaa.org>

Short of making major internal changes, the easiest way to run the IC706 at less than 5 watts is to use the external ALC input. Pin 6 [blue wire] of the 13-pin DIN connector is the ALC input. Pin 2 [red wire] is ground. Apply a negative voltage to pin 6 to reduce output. I have been able to go well below 1 watt. Don't have an accurate meter for reading power below 1 watt. Transmitter current will be about 5 amps at any power level from 5 watts on down. Tough! Not QRP input, anyway,

Ted K4MKX

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: ko4a@juno.com (H John Kohl)  
Subject: [16681] JFelts4572@aol.com: Shuttle  
Message-ID: <19970405.195110.9582.0.ko4a@juno.com>

Yes,

3,860 7,185 kHz LSB  
14,295 21,395 28,650 kHz USB  
147.45 MHz FM

73 John K04A@juno.com

----- Begin forwarded message -----

From: JFelts4572@aol.com  
Subject: Shuttle  
From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Scott Bauer <ke3nv@erols.com>  
Subject: [16735] Kester Solder.. Question  
Message-ID: <199704062057.QAA00745@smtp1.erols.com>

Hello Group,

I wonder if anyone can give some advise. I bought a large roll of Kester rosin core solder at a hamfest. Im not sure of the markings or if it safe to use for electrical work. It is Kester"44" resin core. the box is marked 99.8T .2A for the alloy. And 58 for the core. The diameter is .020 , the very small diameter is nice. Im used to the 60-40 type markings. Is this solder OK to use??

Any advise will be helpful, thanks.

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV  
Fists 1502 QRP Nut SWL Truck Pilot ARRL  
Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40  
S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80. Emtech NW-8030  
49er 38 special at 300mw  
visit my web page at <http://www.erols.com/ke3nv/>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997

From: cjsterl@ix.netcom.com (Craig J. Sterling)  
Subject: [16719] MFJ 949E Tuner For Sale  
Message-ID: <199704061518.KAA21929@dfw-ix2.ix.netcom.com>

Greetings,

FOR SALE: MFJ 949E VERSA TUNER II

300 Watt unit with built-in dummy-load and internal 4:1 balun and combination PWR/SWR meter, accepts balanced and unbalanced feed-lines. THIS UNIT IS IN LIKE-NEW CONDITION & IN ORIGINAL BOX WITH MANUAL ... \$95.00, you pay shipping from Washington, D.C. area. New unit sells for \$139.95.

This unit has never been abused ... I operate almost exclusively QRP and have replaced it with a Ten Tec 238 2KW Tuner.

Please E-Mail replys and include telephone number.  
Craig Sterling, AA3MD

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Brian K. Short" <ke7gh@primenet.com>  
Subject: [16693] New Mailing Lists \*READY\*  
Message-ID: <3.0.1.32.19970406030259.00718b10@mailhost.primenet.com>

The new mailing lists (reflectors) have just been initialized (thanks to Al Waller K3TKJ, QSL.Net).

-Brian k7on@qsl.net

-----

Ham-Books is a mailing list (reflector) devoted to the literature and periodicals of amateur radio:

- \* publishers
- \* magazines
- \* newsletters
- \* books
- \* old and "collector" books
- \* new book announcements

To be added to the mailing list, send email as follows:

TO: ham-books-request@qsl.net

SUBJECT:

BODY: subscribe

To be deleted from the mailing list, send email as follows:

TO: ham-books-request@qsl.net

SUBJECT:

BODY: unsubscribe

To post items to the reflector, send email as follows:

TO: ham-books@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

-----

Ham-Software is a mailing list (reflector) devoted to software of all types used for amateur radio:

- \* logging
- \* propagation prediction
- \* digital modes
- \* award tracking
- \* commercial, shareware, freeware
- \* electronic design and simulation
- \* amateur software development

To be added to the mailing list, send email as follows:

TO: ham-software-request@qsl.net

SUBJECT:

BODY: subscribe

To be deleted from the mailing list, send email as follows:

TO: ham-software-request@qsl.net

SUBJECT:

BODY: unsubscribe

To post items to the reflector, send email as follows:

TO: ham-software@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

-----

Mobile-Portable is a mailing list (reflector) devoted to mobile and portable operation of amateur radio (QRP and QRO, HF and VHF+):

- \* rigs, antennas, tuners
- \* installation
- \* batteries
- \* generators
- \* solar and alternative energy
- \* camping/RVs/backpacking
- \* laptop/palmtop computers
- \* portable packet
- \* roving and mountain-topping
- \* GPS, APRS

To be added to the mailing list, send email as follows:

TO: mobile-portable-request@qsl.net  
SUBJECT:  
BODY: subscribe

To be deleted from the mailing list, send email as follows:

TO: mobile-portable-request@qsl.net  
SUBJECT:  
BODY: unsubscribe

To post items to the reflector, send email as follows:

TO: mobile-portable@qsl.net

If you have questions or need assistance contact: k7on@qsl.net

-----

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 k7on@qsl.net

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Harry Bump <bump@redrose.net>  
Subject: [16705] NN1G 20m. rig problem.... any ideas?  
Message-ID: <33476F47.68F8@redrose.net>

Hi Gang,

Built an NN1G (Mk II) rig fer 20m a couple (2-3) years ago and have enjoyed using it very much; however it has recently developed a problem.

When on my dummy load it shows one watt output and (almost) no reflected power, but when switched to the antenna SWR shoots up to above 4:1.

When I do the same with my main station rig (same antenna, meter, switch, and

cables)

the antenna appears to be resonant and SWR very near unity.

The same situation appears at the mobile antenna on my vehicle...

Any ideas?

73,

Harry, KM3D

Outlaw Wireless League

QRPARCI #3875

Norcal #1295

QRP-L #637

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997

From: Bill Todd <bill@techline.com>

Subject: [16718] NW QRP Club Meeting

Message-ID: <1.5.4.32.19970406152720.00690218@mail.techline.com>

Hello fellow QRPers -

The next meeting of the NorthWest QRP Club will be this Saturday at 10 AM at Andy's Diner (on 4th Avenue) in Seattle. If you have never been to Andy's before, here is a hint: Andy's Diner is built primarily of railroad box cars! Andy's is about 5 blocks south of the King Dome on 4th Ave.

We'll have plenty of show and tell rigs at the meeting, as well as discussion on operating QRP, and an informal report of the various operating events for QRPers this Spring.

Also on tap will be an informal "head count" for Field Day 97' and a discussion of the best antennas to use for each band.

C U there!

Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997

From: w7rfm@juno.com (John E Hirsch)

Subject: [16688] on 40 m

Message-ID: <19970405.182747.2894.3.w7rfm@juno.com>

w7rfm on7042.2 +/- calling CQ from WA.

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [16683] Research Project  
Message-ID: <9704060128.AA16799@tlcnet.muohio.edu>

Hi Gang,

The other day someone was on the list and mentioned something about their club wanting to start a project (no kits) and mentioned doing research. I was very busy putting my TT-1340 together so I could get on the air and missed who made the comment. Well, the idea of research tickled my qrp bone (no pun intended) and I was wondering what sort of research. If who ever made the comment recognizes themselves from my comments here or if anyone has any ideas about research on the ham bands, please share it with the gang.

I for one have been curious about the sources of natural noises. The kind that just seems to pop up like someone threw a switch on. Also the kind that covers, say fifty or so kc and then goes away. Could this be someone doing spread spectrum in OUR ham bands? And we have all heard the little swirl thing that passes by the freq. and then swirls by about ten minutes later. I have heard it for years and then one day I was at a place that was transmitting the propagation signals. Wallops Island. I saw the return echos printed out of 35 mm film. I am not sure if the machine was a Visicorder or not.

Anyway, over the years we have all noticed things, I'll call anomalies. Does this perk anyones interest?

de vic ad8k . .

[http://www.contesting.com/\\_tentec](http://www.contesting.com/_tentec)  
[http://www.contesting.com/\\_tentec](http://www.contesting.com/_tentec)  
[http://www.contesting.com/\\_tentec](http://www.contesting.com/_tentec)

Sorry, wrong button again and this editor qrsucks. Like time, you can't go back.

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Genevieve A. Winkler" <GDWinkler@compuserve.com>  
Subject: [16708] Thump Thoughts- part 2 (long)  
Message-ID: <199704060128\_MC2-13D3-F282@compuserve.com>

THUMP THOUGHTS -- PART 2

SECOND CAUSE - THE TRANSMIT OFFSET

During receive, the frequency of X3 is pulled slightly lower by C21 (47pf). During transmit, D6 conducts and effectively bypasses C21, which raises the oscillating frequency. That lowers the transmit frequency (transmit freq = 22MHz VX0 - 12MHz "BFO".)

I believe Glen Leinweber was first (2/3/97) to blame the "settling" of U3 (the 2nd NE602) for "Mr. T". He tried changing the timing of the switching in U2 (4066), to no avail. Others tried delaying the audio switching (Brad {w8ygg 1/31/97}, Jouni Tuhkio {2/1/97}). Ori told us (1/31/97) the timing circuits were added to help reduce "Mr. T", but they might need tuning.

Dave Fifield observed that "the TX offset circuitry... imposes a nearly 8V transition to one end of the product detector/TX mixer crystal (X3). This transition gets through the NE602 and appears on the output at pin 4."

Now, the crystal has a parallel capacitance of only 2.5 pf (I measured it at about 300kHz with my AADE L/C II meter). That's a pretty high impedance at 600 Hz (100 megohms), and I was doubtful any audio would get through. So I modeled the circuitry of the TX offset on the computer, and drove it with a simulated 8v square wave. It put out nice big spikes of about 15mv (seen by pin 6 of U3), lots bigger than the ground loop spike. Is this the cause of "Mr. T"? This spike should be eliminated by the balanced nature of the 602 mixer. Is it?

Dave Fifield got rid of his thump, but he cheated. He not only removed the transmit offset circuitry (D6 and 10K current-limiting resistor R9), but he also bypassed the 4066 switch and C14 altogether! This may be sensible engineering, but it is lousy science. If



you want to investigate something, only change ONE variable at a time! It would have been interesting to know if merely removing D6 would have eliminated "Mr. T".

#### TX OFFSET TRANSIENT- MEASUREMENT

I went to my "lab", and breadboarded the U3 oscillator circuit. I looked at the output from pin 4 of the NE602 via a 0.22uf capacitor. I drove the switch with a square wave from my function generator. Now you have to understand that I live 1.2 miles from THREE huge transmitting towers. I have 5-15 mv of VHF RF on everything in the shack longer than 1". So what I see at pin 4 with D6 conducting is about 10mv of rf junk, mostly 12 MHz leak-through plus about 3-4mv of FM broadcast. Switching D6 off increases the rf leak-through to about 15mv (why?), and moves the baseline by about 3 or 4 mv. That is a big audio transient at this point in the circuit! Remember, we still have an audio voltage gain of >1000 to follow.

#### TRANSMIT OFFSET- POSSIBLE CURES

I see two ways to eliminate the transmit-shift transient. The first is to use a balanced output for the audio from U3. This has already been suggested (can't find the reference in my thump-file, sorry). The second is to eliminate or reduce the transient itself.

Most designs, including the NC 38S, do not use the full potential of the NE602. In the 38S, the 602 output is not balanced. If the internal transistors are not perfectly matched, some leak-through of the input signals can be expected. Utilizing the balanced output will minimize this effect. That will decrease the leak-through of audio thump caused by the switching voltage at X3/D6. A balanced output will also give twice the output power- a 3db gain. However, it is an awkward fix for an elegant board, involving rf chokes and another op-amp or an audio transformer. Perhaps I will do it for another version of the 38S.

I should note that I tried a quickie breadboarding of a transformer output. The transient is gone, but there is still a difference in the output. I estimate about 7mv of 12 MHz rf coming through when the diode is

conducting, and 3mv when it is not. In addition I get about three times that much FM broadcast stuff, on top of the 12MHz signal, as I had with the single-ended output.

The transient could also be reduced by lowering the voltage on R9, the 10k current-supply resistor for D6. We would still need to run a milliamp or so through D6 to have it conduct well at 12MHz. We could use an rf choke of 47 to 100 uh in place of R9, and reduce the voltage supply at the other end of this choke to one volt or so. A neat way to do this would be to use an LED as a pilot light (you'd need a current-limiting series resistor of about 4.7k), and use the 1.8v drop across the LED to supply this choke. Now the transient is only 1.2 volts (1.8 - 0.6) instead of 7.4v (8 - 0.6). You could reduce the transient even more by using a red LED in place of D6, and a green one for the pilot light. The green LED "turns on" at a slightly higher voltage than the red one; presto, a transient of only .2 volts or so!

Sounds great, but I tried a quickie breadboarding of it (a "quickie" means it only took me an hour), and it didn't work. For some reason I get about 30mv of FM broadcast rf coming out, which almost hides the 5+mv transient which still exists. That was with the 1N914. With a red LED for D6, it looks even worse, with 40-50mv of rf and a 10mv transient. The red and green blinking LEDs are kinda cute, though (blinking when I slow the function generator down- to view it on the scope conveniently I was running it at about 2KHz, so the LEDs just glowed at half brightness).

#### TRANSMIT OFFSET - CONCLUSIONS

Clearly there is a big transient produced by the transmit offset circuitry. Is that the cause of "Mr. T"? On 3/19/97 Jim Kortge reported that he had "bent pins 9 and 10 away from the chip body, and put it (U2, the 4066 switch) back into its socket." His thump remained, despite a lack of input from U3. He did not try bending out pin 11 of U2 (output side of the switch), and he didn't say what the status of his C14 ground pin was (stock, or moved to be nearer U5, the audio chip.)

I think the transient at D6 produces part of "Mr. T", but not all of him. Balanced audio output would eliminate

this cause of "Mr. T".

\*\*\*\*\*

Stay tuned for part 3, and some possible solutions.

Dan Winkler N7IVR Seattle WA  
< GDWinkler@compuserve.com >  
< DWink@Juno.com >

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: JAlexan706@aol.com  
Subject: [16713] Thumping?????  
Message-ID: <970406123623\_-1536748471@emout15.mail.aol.com>

I just got my 38s p and running and it did not have thumping at first but now it does.

What could be the problem??? please help if you can. I have been at 10.116 with 300milliwatts but no one is answering. 16.36Z

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Phil, K6LS" <k6ls@amsat.org>  
Subject: [16725] time change, again.....  
Message-ID: <3347CFF3.6056@amsat.org>

Well it is daylight savings time again. Just a little reminder to set your clocks to the correct time, unless you are lucky to be in a time zone where you dont have to go thru this nonsense.

here are a few programs that you might want to check the time settings for:

DOS  
WINDOWS  
Logging programs  
Satellite tracking  
astronomy star tracking programs  
WiSP

WWV 2.5 5 10 15 20 Mhz

--

73 de Phil, K6LS

CM97QI, Merced County  
k6ls@amsat.org  
<http://www.qsl.net/k6ls>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: N3BJ@aol.com  
Subject: [16726] TRADE: QRP Plus for Wilderness Sierra ??  
Message-ID: <970406140423\_774557323@emout03.mail.aol.com>

Anyone interested in trading their built, current version of the Wilderness Sierra for a high serial number QRP Plus ?? Value the QRP Plus at about \$450, so there might be some cash involved, depending on accessories installed in the Sierra.

Ideally would like several band modules, ABX, and the KC-2.

Qrp Plus is just back from Index, had latest firmware loaded. Original box. Great rig, just don't operate sideband and rig is surplus (have another one).

Alan, N3BJ

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Harvey Hetland <n6mm@earthlink.net>  
Subject: [16710] WQ4RP spot  
Message-ID: <3347B08C.3ACC@earthlink.net>

WQ4RP 7007.0 kHz 0709Z worked from California now begging for QSOs at 0715Z. Their phased antennas appear to be working well, big difference when on the west coast or switched to Europe.

Passing comment: 15m was good Saturday. PY and LU answered my CQs on 21.060 MHz along with several stateside stations. However, no QRPers answered my 5 watts. Also worked a ZL off frequency, but I could not raise the KH2 or JA that I also chased on 15m.

73, Harvey, N6MM.

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: k7sz@juno.com (Rich H Arland)  
Subject: [16717] WQ4RP: Is it over?

Message-ID: <19970406.152115.14695.24.K7SZ@juno.com>

Time: 1500Z Sunday April 6th

Havent heard WQ4RP today. Are they packing up? When was this supposed to be overwith?

Had no chance yesterday to get on the air.

Ya' snooze, ya' looze

73 rich K7SZ

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Bruce Rattray <RATTRAY@siast.sk.ca>  
Subject: [16722] WQ4RP?  
Message-ID: <2631100806041997/A23783/RIEL/11B432091200\*@MHS>

It's 1412Z here and I'm looking for WQ4RP...anyone heard them?...tnx & 72-VE5RC

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: k7sz@juno.com (Rich H Arland)  
Subject: [16685] WTB: HF Vertical Antenna  
Message-ID: <19970406.010456.14695.17.K7SZ@juno.com>

I need an HF vertical antenna capable of covering 40-10 meters to use for a portable antenna system. Will consider HF5 or HF6 Butternut, Cushcraft R-5 or R-7, HyGain 14or 18AVQ, Hustler 4 or 5 BTV.

73 es Tnx

rich K7SZ

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: K4AHK@ix.netcom.com  
Subject: [16737] Re: 14AVQ Rejuvenation  
Message-ID: <33481AC8.6856@ix.netcom.com>

I had a 14AVQ ground mounted with only 4 radials in the mountains of

Western North Carolina back in the mid 60's. I was running a Hammarlund HX-50 transmitter. The first QSO I made with this antenna was KC4USA at the South Pole on 20 meter CW. It worked fine.

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [16677] Re: 18S ???  
Message-ID: <3.0.1.16.19970405183914.277733c0@mail49.mci2000.com>

At 08:42 AM 4/4/97 -0600, you wrote:  
>Has any one considered plans to put the 38s on 17M (18.068-18.168 Mhz  
>hence 18S) yet??  
>  
>I would be interested in any data...  
>  
>Brian AE9K  
>  
Brian...I was looking at that possibility last evening. Nothing final yet, but my second one will probably end up there. Will keep you and the qrp-l gang posted.

72....Jim  
Jim Kortge, K8IQY (ex NU8N) | BMHA, NorCal, QRP-L  
jokortge@tir.com | \_\_o Cascade 17/40 SSB  
Fenton, MI | \_`\  
... .. (\*)/(\*) . . . .

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Dan Robbins <k17y@alaska.net>  
Subject: [16678] Re: Alaska on 40M?  
Message-ID: <199704060016.PAA29818@calvino.alaska.net>

At 07:00 PM 4/5/97 -0500, you wrote:  
>Gi gang,  
>  
>Does anyone know if the Alaskan station is planning to be on forty meters  
>this evening? (Sat. night)  
>  
>de vic ad8k . .  
>  
Vic,

Yes, Jim will be on 40 later, but it is only a little after 3 in the afternoon here so it will be a few hours yet. AL7FS still at 14.059 listening to galactic noise, he claims. Sadly, condx are not very good today.

Dan KL7Y

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "M. Monninger" <markem@primenet.com>  
Subject: [16695] Re: Dan's new radio  
Message-ID: <3.0.1.32.19970405201537.0095a900@pop.primenet.com>

Good idea, Stan...

Here's the listing from switchboard.com:

Daulton, Paul G 9113 Centennial Rd, Jacksonville, AR 72076-9607  
Phone: (501)988-1168

which matches Buckmaster's listing for K5WMS, who is the designer, according to Dan's web page. Anybody close by Jacksonville AR want to give Paul a holler?

Ain't it a little scary how easy that is? Took me about 5 min.

73... Mark AA7TA

At 06:37 PM 4/5/97 -0800, Stan wrote:

>OK, now that everybody has finally had their say about Dan  
>(hopefully) let's help answer the initial question.

>

>Step 1.) Somebody with netscape access look up Dan's home  
>page and get the call sign of the designer of the  
>Centennial 80 meter SSB rig.

>

>Step 2.) report same to list.

>

>Step 3.) somebody with a callsign data base look up the  
>person's name and city.

>

>Step 4.) report same to list.

>

>Step 5.) someone in that city look him/her up in the phone  
>book and phone him/her. Ask relevant questions  
>about rig (size, current draw, etc. etc) and

> report same to list. (who knows, maybe you live  
> right next door and can stroll over and get a  
> schematic and post it on someones board?)  
>  
>Make sense?  
>  
>73's Stan VE7SKT qrp-1 #34), OHR Sprint 80, 38 Spc  
>  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "M. Monninger" <markem@primenet.com>  
Subject: [16700] Re: Dan's new radio  
Message-ID: <3.0.1.32.19970405211119.0096e560@pop.primenet.com>

Ken, N4SO, sent this to me. I think he might have intended to sent it to the list, so I'm forwarding it along.

Thanks for the info, Ken...

73... Mark AA7TA

>  
>Talked to Paul on the phone.  
>Board will be ready April 16th.  
>5 to 8 watts.  
>based on Paul's article in 73 mag. Oct. 94 "The Traveler"  
>Board size 4 5/8 by 7 5/8 inches  
>Enclosure could be 3 x 8 x 6  
>Board /parts and pot is \$69.95 does not include enclosure.  
>Rec. enclosure is Ten Tec TP-50  
>cw option- feed audio tone oscillator into mike jack. This is  
>not a unit you buy, just feed audio in.  
>Paul does not have E-mail.  
>contact Dan's Small Parts for details or questions.  
>He is home tonight but drives a truck and will be gone.  
>  
>Ken Brown, N4SO  
>QTH nr Mobile, AL  
>qrp-1 #622  
>n4so@juno.com  
>QRV on 30 meters and looking for 38 Special contacts



>  
>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [16714] Re: END FEEDING A HALF WAVE  
Message-ID: <860342229.0626933.0@gqrpclub.demon.co.uk>

If you check my web page, you will see my ideas on feeding a half wave antenna. A version was sold here in UK called the Jaguar, which was exactly as I describe, viz a tuned circuit with the antenna to the top and a tap a few turns from the 'earthy end' for the o/p to the rig. It works well, as others have found out and a two band version is possible using separate tuned circuits in the same box with sockets for the two half wave wires. Radials are not needed, but if you are concerned about RF on the braid use ferrite rings on the coax. In practice, as far as QRP is concerned, I have never bothered. The tuned circuits are simply adjusted for optimum SWR by core adjustment from the outside of the box, a 35mm film cannister is fine, and this may need a tweak in the operating position.

An alternative to all the above is of course an ATU, say an L-match, with one counterpoise wire. I used this set-up in the last few weeks while in VK5 and worked some good DX with it, including GM, twice and other EU stations. As I wanted to use various bands I didn't use the one described in the web page, but have in the past and it DOES WORK!

Have fun!

---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: [16729] Re: END FEEDING A HALF WAVE  
Message-ID: <19970406184731.AAB17234@LOCALNAME>

At 11:01 AM 4/6/97 +0000, you wrote:

>If you check my web page, you will see my ideas on feeding a half wave  
>antenna. A version was sold here in UK called the Jaguar, which was exactly  
>as I describe, viz a tuned circuit with the antenna to the top and a tap a  
>few turns from the 'earthy end' for the o/p to the rig. It works well, as  
>others have found out and a two band version is possible using separate  
>tuned circuits in the same box with sockets for the two half wave wires.

>Radials are not needed, but if you are concerned about RF on the braid use  
>ferrite rings on the coax. In practice, as far as QRP is concerned, I have  
>never bothered. The tuned circuits are simply adjusted for optimum SWR by  
>core adjustment from the outside of the box, a 35mm film cannister is fine,  
>and this may need a tweak in the operating position.  
>An alternative to all the above is of course an ATU, say an L-match, with  
>one counterpoise wire. I used this set-up in the last few weeks while in VK5  
>and worked some good DX with it, including GM, twice and other EU stations.  
>As I wanted to use various bands I didn't use the one described in the web  
>page, but have in the past and it DOES WORK!  
>Have fun!  
>---72/3---Frank G3YCC G QRP 042  
>QTHR (Kirk Ella, East Yorkshire)  
>QRP Web site: <http://www.gqrpclub.demon.co.uk>  
>  
>  
>  
>The BIG advantage here (with a 'voltage fed' wire) is VERY low ground losses!  
The big MINUS is: if you have a Jap solid state rig and run 100-1000 watts,  
these  
sets are awfully sensitive to stray RF in the shack....which you will have  
some of with this arrangement! The old tube/valve gear isn't as "picky" as  
these modern "no tune" rigs. I use 3" copper flashing strip as a  
ground/earth buss. This generally keeps things "cool".  
73  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
**ebjr@worldnet.att.net**  
**\*\*Looking for: 860 tubes, WL-460 tubes\*\***  
**\*\*Butternut HF2V antenna, G-R test gear.....\*\*\***

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [16732] Re: END FEEDING A HALF WAVE  
Message-ID: <199704061939.PAA01992@mail3.voicenet.com>

Mike, you wrote:

>I'm trying to find information on a product that was designed for end  
>feeding a half wave on a given band. I believe that it was a fixed value  
>coil and capacitor enclosed in a pvc sleeve. They were not sold  
>specifically for qrp. I encountered a few of them on the air 7 or 8 years  
>ago. Any ideas on present availability?

>  
>  
>73, de K5XU  
>  
>Mike Duke,  
>Jackson, MS

It's not the old product you were looking for, but the Rainbow Tuner does what you are looking for, plus, it includes a built-in automatic self-adjusting SWR bridge and indicator. It's on a small pc board, approx 2-14 x 3-1/4 and it will tune 30 or 40 meters with no component changes. A manual that comes with the kit gives info on tuning to other bands.

The Rainbow was written up in the December '96 issue of QRPp and January '97 QRP Quarterly.

It is available as a kit from NJQRP for \$25.00 plus \$3.00 shipping.

See the NJQRP web page at

<http://www.njqrp.org>

For more info, including schematic diagram and specs or send me an e-mail for a descriptive blurb.

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: [jeverhart@cayman.vf.mmc.com](mailto:jeverhart@cayman.vf.mmc.com)  
home: [n2cx@voicenet.com](mailto:n2cx@voicenet.com)

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Frank G3YCC <[g3ycc@gqrpclub.demon.co.uk](mailto:g3ycc@gqrpclub.demon.co.uk)>  
Subject: [16715] Re: Frank.. The return..  
Message-ID: <860342232.0626964.0@gqrpclub.demon.co.uk>

Someone has to sort you lot out... so they sent me back!  
Cheers.

---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [16684] Re: Help with portable HF antenna design  
Message-ID: <Pine.SUN.3.91.970405173521.7481B-100000@crl11.crl.com>

THINK WIRE.

Portable antenna: Big Rock  
1/8" rope 30 ft long  
60 ft of wire

Directions: attach rock to rope. attach rope to wire. Throw rock  
into tree. connect wire to antenna tuner. tune radio.. work the world.

For even better results. attach a smaller piece to wire to tent stake  
and drive stake into ground. attach this wire to ground lug on radio.

-- -- ...      ...-- --

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: k7sz@juno.com (Rich H Arland)  
Subject: [16686] Re: Help with portable HF antenna design  
Message-ID: <19970406.011940.14695.18.K7SZ@juno.com>

On Sat, 5 Apr 1997 17:39:54 -0800 (PST) Stanley Wilson <microres@crl.com>  
writes:

>THINK WIRE.

>

>Portable antenna: Big Rock  
> 1/8" rope 30 ft long  
> 60 ft of wire

Hi Stanley:

Well, I have used this system on many occasions. The only problem is that in some of the camping areas I have been in, the trees are so dense you cannot string a wire in any direction except for straight up!

I guess this would work for 20 and possibly 40 meters if I could get the wire high enough into a tree. I do have a Zuni-Loop Anti-gravity Device (sling shot and fishing reel combo) that works great, but I kinda wanted to get away from the wire thing.

Tnx for the input.

73 rich K7SZ

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [16691] Re: Help with portable HF antenna design  
Message-ID: <33470DEE.68BD@dancris.com>

Hi Rich. Welcome to the "pop-up" club. I've been using one for three years now, and have tried just about everything, including hauling a beam and 30' of mast around.

Always problems...too many trees, not enough trees, no place to guy the mast, etc. Going to try the SLV with W6MMA coil during QTTF. If you hear me, you'll know it worked, :-)

Seriously, the tent trailers don't have enough stability to support much of an antenna, and tend to sway a lot in the wind. You'll need trees or some sort of free-standing antenna. I have a roof rack on my Coleman, and it's not strong enough to support much and doesn't give much ground plane. I've always had to fall back on trees or guyed masts.

I think the SLV is going to work fine.

CU in the field....Roger

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Allen Jones <ajones@adsnet.com>  
Subject: [16716] Re: NN1G 20m. rig problem.... any ideas?  
Message-ID: <1.5.4.32.19970406151032.0066f458@206.158.2.1>

At 01:39 AM 4/6/97 -0800, you wrote:

>Hi Gang,

>

>Built an NN1G (Mk II) rig fer 20m a couple (2-3) years ago and have enjoyed using

>it very much; however it has recently developed a problem.

>

>When on my dummy load it shows one watt output and (almost) no reflected power, but

>when switched to the antenna SWR shoots up to above 4:1.

>

Harry . . . I have \*exactly\* the same problem. I would assume this is an indication of spurious junk in the output. If you get any suggestions please pass them on. I am very limited in the test equipment area and have no way of looking at the output of my MkII (Dan's kit) directly.

73, Allen Jones - W9DZ  
ajones@adsnet.com

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [16731] Re: Shack pictures  
Message-ID: <v03020901af6d9ead4bec@[129.74.35.26]>

At 9:52 AM +0100 4/5/97, Frank G3YCC wrote:

>There are more shack pictures of QRPers appearing on my web page, how about yours?

>(<http://www.gqrpclub.demon.co.uk/shacks.htm>)

>---72/3---Frank G3YCC G QRP 042

>QTHR (Kirk Ella, East Yorkshire)

>QRP Web site: <http://www.gqrpclub.demon.co.uk>

You opposed this idea originally when someone else proposed it on the grounds that it may aid or encourage burglars. Is this not a problem if the pictures are posted on your site?

Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: tahrens1@juno.com  
Subject: [16727] Re: TH7DXX - SWR at Ground level?  
Message-ID: <19970406.120226.4895.1.tahrens1@juno.com>

Thanks everyone for their information and ideas!!

I stood it up on end... that was fun,, my 12 old daughter  
and I with this behemoth beam on it's end! hehe

It was 'kinda' resting against some tall cedar (juniper)  
trees, and it became resonant at about 14.0, 21.0, and 28.0  
JUST RIGHT!

Now, hopefully, it won't go up more when it gets on the  
tower.

Again, thanks to everybody!... The party is next weekend..  
anybody/everyone is welcome!

Katie (daughter) suggested getting either a crane, or using  
the Starflight helicopter to move it to the tower! ha!

cuall

Tim W5FN

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [16721] Re: The X Y Z's of Oscilloscopes..copyright???  
Message-ID: <8D561BD.0004001FDD.uuout@cheaha.com>

-> I don't want to be a party pooper, but has anyone gotten permission  
-> from Tektronix to post this stuff? The booklet, in disk or booklet  
-> form, is copyrighted, and written permission would be required.  
->  
-> 72 es 73 de  
-> Marty, KM7W

A very valid question, Marty. I zoomed back to the Tek website and looked into the matter. They've got a copyright notice posted stating that it's ok to share, email, post, use, loan, etc., etc., the o'scope files \*as long\* as the copyright notice was attached.....which it wasn't! I left a note to them explaining what is going on and stated that the copyright notice will be included with any further copies of the file. I downloaded the html notice and converted it to text, deleted the old zip file, and included the notice in a new zip file....tscope1.zip. Of course I bragged on the Tek folks for putting such a good source of info out for us use. I'll check back in a day or so and see what there response to my "confession of transgression" is.

If anybody wants the "legal" file, give me a holler.  
Take care.

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Sun Apr 6 18:03:59 1997

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: [16730] Re: time change, again.....

Message-ID: <19970406184731.AAA17234@LOCALNAME>

At 05:31 PM 4/6/97 +0000, you wrote:

>Well it is daylight savings time again. Just a little reminder to set  
>your clocks to the correct time, unless you are lucky to be in a time  
>zone where you dont have to go thru this nonsense.

>

>

Jeese! I \*HATE\* the change to Definitely Stupid Time! There oughta be something we can do to keep the time the same thruout the year! WHY this upheaval

twice a year! It's hell on the old body. I don't care what time zone you standardize on, the object is: QUIT SCREWING WITH THE CLOCK! GRRRRrrrrrr!



73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes\*\*  
\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [16702] Re: unscientific horizontal loop

>From: "James R.Sharp" <lobar@doitnow.com>  
>I'm in a two story so my plan is to run steel wire (cheap)  
>I plan on feeding it with what I have available, (cheap) a 1:1 current  
>balun fed by RG8X. I know 450 ohm ladder line would/SHOULD be better  
>What can I expect from this loop?

Exactly what you would get out of an unscientifically designed  
airplane - it won't fly. Steel wire is much more lossy than  
copper. Copper wire is cheap at Home Depot. The coax will be  
terribly lossy unless you achieve resonance on the bands of  
choice or have an autotuner located at the antenna. 100 ft of  
ladder-line costs \$15. Why go to the trouble of putting up  
something that won't work worth a darn?

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: "James R.Sharp" <lobar@doitnow.com>  
Subject: [16707] Re: unscientific horizontal loop  
Message-ID: <199704060616.XAA09702@in1.doitnow.com>

At 09:39 PM 4/5/97 PST, you wrote:

>>From: "James R.Sharp" <lobar@doitnow.com>  
>>I'm in a two story so my plan is to run steel wire (cheap)  
>>I plan on feeding it with what I have available, (cheap) a 1:1 current  
>>balun fed by RG8X. I know 450 ohm ladder line would/SHOULD be better  
>>What can I expect from this loop?  
>  
>Exactly what you would get out of an unscientifically designed  
>airplane - it won't fly. Steel wire is much more lossy than

>copper. Copper wire is cheap at Home Depot. The coax will be  
>terribly lossy unless you achieve resonance on the bands of  
>choice or have an autotuner located at the antenna. 100 ft of  
>ladder-line costs \$15. Why go to the trouble of putting up  
>something that won't work worth a darn?  
>  
>73, Cecil, W6RCA, 00TC  
>

Okay, you've got a good argument, the coax and balun are already up from a previous dipole so I wanted to use them. I will get copper wire. I really like the idea of a remote tuner at the antenna. I will be building an AT11 and may later, try to install it at the antenna.

If the loop is multiple wavelengths of desired bands why won't the coax+balun adequately (not ideally) match to the loop?  
In your opinion, would 300ohm line be better than RG8X? Without the balun of course!

Remember it's fun to just experiment sometimes and climbing up and down a ladder is good cardiovascular exercise!

thanks 72 73 KC7GHP  
>  
>

From owner-qrp-1@Lehigh.EDU Sun Apr 6 18:03:59 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [16704] Re: Using an Unbalanced Tuner with a Balanced Feedline

>From: John Seboldt <rohrwerk@pcOnline.com>  
>However, it is also true that any balun on the output will see  
>variable impedances in the typical multi-band "tuned line"  
>approach. This means that if the line input impedance is high,  
>the balun's reactance may not be adequate to act properly.  
>Thus, in many circumstances, a balun on the output of an  
>unbalanced tuner is pretty dumb, because it just can't do its  
>job. So if you're gonna do it, put it on the input for sure.

Hi John, this seems to be turning into a myth. Roy, W7EL, has a mathematical proof on his ftp site that it doesn't make any difference whether the choke/balun is on the input or the output of the tuner. It sees exactly the same common-mode impedance in either place and the common-mode impedance is exactly what a choke/balun has to deal with. You are talking about the

differential mode impedance, not the common-mode impedance.

Common-mode current is what stresses a choke/balun. A 1:1 choke/balun completely ignores the differential mode currents and differential mode impedances. How much flux flows in a 1:1 choke/balun because of a differential mode mismatch? None, because the fields are completely contained in the coax and no current is flowing on the outside of the coax.

The choke/balun installed at the antenna feedpoint of a dipole has to deal with the current trying to flow down the \*outside\* of the coax. What impedance that current sees is in parallel with the antenna impedance. It has everything to do with the length of the feedline and feedline pickup and is generally unknown. It can be nearly zero ohms.

73, Cecil, W6RCA, OOTC